



## SEQUENCE LISTING

<110> van der Kuyl, Antoinette C.  
Cornelissen, Marion

<120> MEANS AND METHODS FOR TREATMENT EVALUATION

<130> 5244US (REN/P55190US00)

<140> 10/055,728

<141> 2002-01-23

<150> 60/325,722

<151> 2001-09-28

<150> EP 0120373.2

<151> 2001-09-28

<150> EP 01200228.3

<151> 2001-01-23

<160> 156

<170> PatentIn version 3.1

<210> 1

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs171596

<400> 1

ccccagtcgg c

11

<210> 2

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs171695

<400> 2

cttgacatac c

11

<210> 3

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs82112

<400> 3

catcacggat c

11

<210> 4  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs78436

<400> 4  
ggccaaaggc c

11

<210> 5  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs82237

<400> 5  
ttgcatatca g

11

<210> 6  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs78824

<400> 6  
ccctgttcag c

11

<210> 7  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs16530

<400> 7  
gatcaatcag t

11

<210> 8  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs898

<400> 8

gaggggtgcca a 11

<210> 9  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs99923

<400> 9  
taaacctgct g 11

<210> 10  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs1420

<400> 10  
gtggccagag g 11

<210> 11  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs183

<400> 11  
tctggcccag c 11

<210> 12  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs75066

<400> 12  
caggtcgcta c 11

<210> 13  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs112408

<400> 13  
gagcagcgcc c 11

<210> 14  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs76152

<400> 14  
acttattatg c 11

<210> 15  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs74649

<400> 15  
caggcctggc c 11

<210> 16  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs181062

<400> 16  
gtgcggagga c 11

<210> 17  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs74316

<400> 17  
acagcggcaa t 11

<210> 18  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs117729

<400> 18  
gatgtgcacg a 11

<210> 19  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs24395

<400> 19  
caggtttcat a 11

<210> 20  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs93675

<400> 20  
aactctgacc c 11

<210> 21  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs94953

<400> 21  
aaatcaatac a 11

<210> 22  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG sequence Hs108741

<400> 22  
tggtaactgg c 11

<210> 23  
<211> 11  
<212> DNA  
<213> Artificial Sequence

<220>

<223> TAG sequence Hs173789

<400> 23  
tctgcactga g

11

<210> 24

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs60440

<400> 24  
caggctgctg g

11

<210> 25

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs13775

<400> 25  
atgacagatg g

11

<210> 26

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs236510

<400> 26  
gcacaacaag a

11

<210> 27

<211> 11

<212> DNA

<213> Artificial Sequence

<220>

<223> TAG sequence Hs23579

<400> 27  
ccacaggaga a

11

<210> 28

<211> 11

<212> DNA

<213> Artificial Sequence

<220>  
 <223> TAG sequence Hs46987  
  
 <400> 28  
 ctgtgcggaa c 11

<210> 29  
 <211> 11  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> TAG sequence Hs18104  
  
 <400> 29  
 gatggctgcc t 11

<210> 30  
 <211> 11  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> TAG sequence Hs31869  
  
 <400> 30  
 ctccattgcc a 11

<210> 31  
 <211> 11  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> TAG sequence Hs112457  
  
 <400> 31  
 acctccactg g 11

<210> 32  
 <211> 46  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> oligo (dT) primer with a 5' M13 tail  
  
 <400> 32  
 ctagttgtaa aacgacggcc agtttttttt tttttttttt tttttt 46

<210> 33  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> -21M13 primer

<400> 33  
 gtaaaacgac ggccagt

17

<210> 34  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> primer

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 34  
 aaaaacatga cctccactgg

20

<210> 35  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG007

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 35  
 aaaaacatgg atgtgcacg

19

<210> 36  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG010

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 36



aaaaacatgc cccagtcggc

20

<210> 37  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG011

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 37  
aaaaacatgc ttgacatacc

20

<210> 38  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG012

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 38  
aaaaacatgc atcacggatc

20

<210> 39  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG013

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 39  
aaaaacatgg gccaaaggcc

20

<210> 40  
<211> 20

<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG014

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 40  
aaaaacatgt tgcatatcag

20

<210> 41  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG015

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 41  
aaaaacatgc cctgttcagc

20

<210> 42  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG016

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 42  
aaaaacatgg atcaatcagt

20

<210> 43  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG017

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 43  
aaaaacatgg aggggtgcaa

20

<210> 44  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG018

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 44  
aaaaacatgt aaacctgctg

20

<210> 45  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG019

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 45  
aaaaacatgg tggccagagg

20

<210> 46  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG020

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 46  
aaaaacatgt ctggcccagc 20

<210> 47  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG021

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 47  
aaaaacatgc aggtcgctac 20

<210> 48  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG022

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 48  
aaaaacatgg agcagcgccc 20

<210> 49  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG033

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 49  
aaaaacatga cttattatgc 20

<210> 50  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG034

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 50  
aaaaacatgc aggcctggcc

20

<210> 51  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG035

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 51  
aaaaacatgg tgcggaggac

20

<210> 52  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG036

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 52  
aaaaacatga cagcggcaat

20

<210> 53  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
 <223> TAG037

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 53  
 aaaaacatgc aggtttcata

20

<210> 54  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG038

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 54  
 aaaaacatga actctgaccc

20

<210> 55  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG023

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 55  
 aaaaacatga aatcaataca

20

<210> 56  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG024

<220>

<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 56  
aaaaacatgt ggtaactggc

20

<210> 57  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG025

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 57  
aaaaacatgt ctgcactgag

20

<210> 58  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG026

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 58  
aaaaacatgc aggctgctgg

20

<210> 59  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG027

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 59  
aaaaacatga tgacagatgg 20

<210> 60  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG028

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 60  
aaaaacatgg cacaacaaga 20

<210> 61  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG029

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 61  
aaaaacatgc cacaggagaa 20

<210> 62  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG030

<220>  
<221> modified\_base  
<222> (1)..(5)  
<223> a stands for inosine

<400> 62  
aaaaacatgc tgtgcggaac 20

<210> 63



<211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG031

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 63  
 aaaaacatgg atggctgcct

20

<210> 64  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG032

<220>  
 <221> modified\_base  
 <222> (1)..(5)  
 <223> a stands for inosine

<400> 64  
 aaaaacatgc tccattgcc

20

<210> 65  
 <211> 102  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG004 (EST AI217565, GenBank number BE466728)

<400> 65  
 catgacctcc actggaagag ggggctagcg tgagcgctga ttctcaacct accataactc 60  
 tttctgcct caggaactcc aataaaacat tttccatcca ac 102

<210> 66  
 <211> 242  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG007 (keratin 14, GenBank number XM\_008578)

<400> 66  
 catggatgtg cacgatggca aggtggtgtc caccacagag caggtccttc gcaccaagaa 60

```

ctgaggctgc ccagccccgc tcaggcctag gaggcccccc gtgtggacac agatcccact    120
ggaagatccc ctctcctgcc caagcacttc acagctggac cctgcttcac cctcaccccc    180
tcctggcaat caatacagct tcattatctg agttgctaaa aaaaaaaaaa aaaaaaaaaa    240
aa                                                                    242

```

```

<210> 67
<211> 240
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> TAG010 (ephrin A2, GenBank number XM_002088)

```

```

<400> 67
atctaccagc tcatgatgca gtgctggcag caggagcgtg cccaccgccc caagttcgct    60
gacatcgtca gcatactgga caagctcatt cgtgcccctg actccctcaa gaccctggct    120
gactttgacc cccgcgtgtc tatccggctc cccagcacga gcggctcgga gggggtgccc    180
ttccgcacgg tgtccgagtg gctggagtcc atcaagatgc agcagtatac ggagcacttc    240

```

```

<210> 68
<211> 355
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> TAG011 (dual specificity phosphatase, GenBank number XM_003720)

```

```

<400> 68
catgcttgac atacctacca gtattattcc cgacgacaca tatacatatg agaataatcc    60
ttattttatt ttgtgtaggt gtctgccttc acaaagtca ttgtctactc ctagaagaac    120
caaatacctc aattttttgtt tttgagtact gtactatcct gtaaataatat ctttaagcagg    180
tttgttttca gcactgatgg aaaataccag tgttggggttt ttttttagtt gccaacagtt    240
gtatgtttgc tgattattta tgacctgaaa taatatatatt cttcttctaa gaagacattt    300
tgttacataa ggatgacttt ttatataaat ggaataaatt atggcatttc tattg        355

```

```

<210> 69
<211> 63
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> TAG012 (IL1 receptor, type 1, GenBank number XM_002686)

```

```

<400> 69

```

catgcatcac ggatcaatag actgtactta ttttccaata aaattttcaa actttgtact 60  
gtt 63

<210> 70  
<211> 212  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG013 (ephrin B1, GenBank numbers XM\_002535, BC002524)

<400> 70  
aacttgccct gtgcctgtgt ccccatgct aggggaggag gggctctttc cttcttcttt 60  
cctacctacc cttttctct tggccagggg cctcgatcc tacctttcct tgtccctgg 120  
gctggctgca cagaggattg ccccttctct tttcagagct ggccctcgat gccaaattag 180  
catttagtat tttgctcaa gtctaaggga cc 212

<210> 71  
<211> 214  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG014 (AT group D protein, GenBank numbers XM\_006184, AF230388)

<400> 71  
catgttgc atcaggggtgc tcaaggattg gagaggagac aaaaccagga gcagcacagt 60  
ggggacatct cccgtctcaa cagccccagg cctatggggg ctctggaagg atgggccagc 120  
ttgcaggggt tggggaggga gacatccagc ttgggctttc ccctttggaa taaaccattg 180  
gtctgtcaca aaaaaaaaaa aaaaaaaaaa aaaa 214

<210> 72  
<211> 93  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> TAG015 (TIE 1, GenBank number XM\_002037)

<400> 72  
catgccctgt tcagctactc ccaactcccg cctgtcattc agaaaaaat aaatgttcta 60  
ataagctcca aaaaaaaaaa aaaaaaaaaa aaa 93

<210> 73  
<211> 163  
<212> DNA  
<213> Artificial Sequence

<220>  
 <223> . TAG016 (small ind. Cytokine A18, GenBank numbers XM\_008451, Y1371  
 0, AF111198)

<400> 73  
 catggatcaa tcagtgtgat tagctttctc agcagacatt gtgccatatg tatcaaatga 60  
 caaatcttta ttgaatgggt ttgctcagca ccacctttta atatattggc agtacttatt 120  
 atataaaaagg taaaccagca ttctcaaaaa aaaaaaaaaa aaa 163

<210> 74  
 <211> 205  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG017 (complement comp. 1Q beta, GEnBank number XM\_010666)

<400> 74  
 catggagggt gccaacagca tcttttccgg gttcctgctc tttccagata tggaggcctg 60  
 acctgtgggc tgcttcacat ccaccccggc tccccctgcc agcaacgctc actctacccc 120  
 caacaccacc ccttgcccag ccaatgcaca cagtagggct tggatgaatgc tgctgagtga 180  
 atgagtaaata aaactcttca aggcc 205

<210> 75  
 <211> 175  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG018 (galectin 7, GenBank numbers NM\_002307, U06643)

<400> 75  
 cggctggaca cgctggagggt ggtcttcaac agcaaggagc aaggctcctg gggccgag 60  
 gagcgcgggc cgggcgttcc tttccagcgc gggcagccct tcgaggtgct catcatcgcg 120  
 tcagacgacg gcttcaaggc cgtgggtggg gacgcccagt accaccactt ccgcc 175

<210> 76  
 <211> 204  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG019 (FGFR3, GenBank numbers NM\_022965, NM\_000142)

<400> 76  
 cacaacctcg actactacaa gaagacaacc aacggccggc tgcccgtgaa gtggatggcg 60  
 cctgaggcat tatttgaccg agtctacact caccagagtg acgtctggtc ctttggggtc 120

ctgctctggg agatcttcac gctggggggc tccccgtacc ccggcatccc tgtggaggag 180  
 ctcttcaagc tgctgaagga gggc 204

<210> 77  
 <211> 95  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG022 (Psoriasin (S100 A7), GenBank number XM\_048120)

<400> 77  
 catggagcag cgccctgttc cgggggagc cagtgaccca gcccaccaa tgggcctcca 60  
 gagacccag gaacaataaa atgtcttctc ccacc 95

<210> 78  
 <211> 139  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG025 (EST Unigene no. Hs173789, GenBank numbers XM\_018404, AL137262)

<400> 78  
 catgtctgca ctgagaaact gcatttcagt agcatttgtc atccagccgg aagttaaagc 60  
 acacttactt tattcaccta tttttataat aaacgttctt gctgctgtga aaaaaaaaaa 120  
 aaaaaaaaaa aaaaaaaaaa 139

<210> 79  
 <211> 234  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> TAG029 (PIG, GenBank numbers XM\_011453, AJ251830)

<400> 79  
 catgccacag gagaattcgg ggatttgagt ttctctgaat agcatatata tgatgcatcg 60  
 gataggtcat tatgattttt taccatttcg acttacataa tgaaaaccaa ttcattttta 120  
 atatcagatt attattttgt aagttgtgga aaaagctaatt tgtagttttc attatgaagt 180  
 tttcccaata aaccaggtat tctaaacttg aaaaaaaaaa aaaaaaaaaa aaaa 234

<210> 80  
 <211> 194  
 <212> DNA  
 <213> Artificial Sequence

&lt;220&gt;

<223> TAG030 (EST Unigene no. Hs46987, GenBank numbers DG151190, BG0572  
89, BE858276, AV681759, BE503169)

&lt;400&gt; 80

catgctgtgc ggaactgcgt cagggcaa at gtcacagcag gatttcccca acccagctcc 60  
atcatcacag acacagaggg ctgcagggga ggccctgccc ctgttttgtc gactctgccc 120  
tcctctggca gcatagatcc ttaggtgctc aataaagggtg tgctgtattg aaaaaaaaaa 180  
aaaaaaaaaa aaaa 194

&lt;210&gt; 81

&lt;211&gt; 97

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> TAG032 (SialoAdhesin, also called Siglec 1, GenBank number XM\_016  
245)

&lt;400&gt; 81

catgctccat tgccagactc ttgctgggag cccgtccaga atgtcctccc aataaaactc 60  
catcctatga cgcaaaaaaaaa aaaaaaaaaa aaaaaaa 97

&lt;210&gt; 82

&lt;211&gt; 143

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> TAG036 (Desmoplakin, GenBank numbers XM\_004463, NM\_004415, AF1390  
65)

&lt;400&gt; 82

catgacagcg gcaatctttt ctttggtcaa agttttctgt ttattttgct tgtcatattc 60  
gatgtacttt aagggtgtctt tatgaagttt gctattctgg caataaactt ttagacttta 120  
aaaaaaaaaa aaaaaaaaaa aaa 143

&lt;210&gt; 83

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; 5'TAG004GENE

&lt;400&gt; 83

ggcctttaac accccgttcc t 21

<210> 84  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG004GENE

<400> 84  
tggtagggtg agaatcagcg ctca

24

<210> 85  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG007GENE-N

<400> 85  
aggagaccaa aggtcgctac tgca

24

<210> 86  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG007GENE

<400> 86  
cagttcttgg tgccaaggac ct

22

<210> 87  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG010GENE

<400> 87  
atctaccagc tcatgatgca gtgct

25

<210> 88  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG010GENE

<400> 88  
gaagtgctcc gtatactgct gcat

24

<210> 89  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG011GENE

<400> 89  
agtgggtaca tcaagtccat ctga

24

<210> 90  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG011GENE

<400> 90  
cactgggtatt ttccatcagt gct

23

<210> 91  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG012GENE

<400> 91  
taaagttgtc ctgcttgagc tgga

24

<210> 92  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG012GENE

<400> 92  
ggcacgtgag cctctctttg cagt

24

<210> 93  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG013GENE

<400> 93  
ctctacccca gaggaattta caga

24



<210> 94  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG013GENE

<400> 94  
 gggccagacc aaacacagac ctct

24

<210> 95  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG014GENE

<400> 95  
 ggcaacaagc agaaggcgggt ca

22

<210> 96  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG014GENE

<400> 96  
 tgatcttgag ctgcagctgc tcct

24

<210> 97  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG015GENE

<400> 97  
 gaatgtgctg gtcggagaga a

21

<210> 98  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG015GENE

<400> 98

tggggcagct tttcatagag ct

22

<210> 99  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG016GENE

<400> 99  
 ttctctgcct gcccagcatc atga

24

<210> 100  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG016GENE

<400> 100  
 tcaggcattc agcttcaggt cgct

24

<210> 101  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG017GENE

<400> 101  
 gtctctacta cttcacctac ca

22

<210> 102  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG017GENE

<400> 102  
 tggtgggggt agagtgagcg ttgct

25

<210> 103  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG018GENE

<400> 103  
gcagggttcca tgtaaacctg ctgt 24

<210> 104  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG018GENE

<400> 104  
ctgctcagaa gatcctcacg gagt 24

<210> 105  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG019GENE

<400> 105  
gtgaccgagg acaacgtgat gaaga 25

<210> 106  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG019GENE

<400> 106  
catgatcatg tacaggtcgt gtgt 24

<210> 107  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 5'TAG022GENE

<400> 107  
tgagcaacac tcaagctgag ag 22

<210> 108  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> 3'TAG022GENE

<400> 108 tctctggagg cccattggt	19
<210> 109 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> 5'TAG025GENE	
<400> 109 atgggggtcag gaacatctgg caga	24
<210> 110 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> 3'TAG025GENE	
<400> 110 tccggctgga tgacaaatgc tact	24
<210> 111 <211> 24 <212> DNA <213> Artificial Sequence	
<220> <223> 5'TAG029GENE	
<400> 111 ctcaggttta tctgggctct atca	24
<210> 112 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> 3'TAG029GENE	
<400> 112 tcataatgac ctatccgatg cat	23
<210> 113 <211> 24 <212> DNA <213> Artificial Sequence	
<220>	

<223> 5'TAG030GENE

<400> 113

cttgcaaaga taggagaggc tcca

24

<210> 114

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> 3'TAG030GENE

<400> 114

attgagcacc taaggatcta tgct

24

<210> 115

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> 5'TAG032GENE

<400> 115

tgcgaaatcag ggaccaacag gaga

24

<210> 116

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> 3'TAG032GENE

<400> 116

ttgggaggac attctggacg ggct

24

<210> 117

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> 5'TAG036GENE

<400> 117

atttagcagt agttctattg ggca

24

<210> 118

<211> 24

<212> DNA

<213> Artificial Sequence

<220>  
 <223> 3'TAG036GENE  
  
 <400> 118  
 actgattagc acttcagacg cact 24  
  
 <210> 119  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 5'TAG004GENE-2  
  
 <400> 119  
 catcgacaaa ttgcgatct 19  
  
 <210> 120  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 3'TAG004GENE-2  
  
 <400> 120  
 cgctagcccc ctcttccagt 20  
  
 <210> 121  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 5'TAG007GENE-2.1  
  
 <400> 121  
 aggagatgat tggcagcgt 19  
  
 <210> 122  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 3'TAG007GENE-2  
  
 <400> 122  
 ggaggaggtc acatctctgg at 22  
  
 <210> 123  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG010GENE-2  
  
 <400> 123 19  
 ccaagttcgc tgacatcgt  
  
 <210> 124  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 3'TAG010GENE-2  
  
 <400> 124 21  
 tgctggggag ccggatagac a  
  
 <210> 125  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 5'TAG011GENE-2  
  
 <400> 125 20  
 gaagagaaag gactcagtgt  
  
 <210> 126  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 3'TAG011GENE-2  
  
 <400> 126 20  
 agatatattt acaggatagt  
  
 <210> 127  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> 5'TAG012GENE-2  
  
 <400> 127 18  
 aaatccaaga ctatgaga  
  
 <210> 128  
 <211> 19  
 <212> DNA

<213> Artificial Sequence

<220>

<223> 3'TAG012GENE-2

<400> 128

cttagtggct ggtgacagt

19

<210> 129

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> 5'TAG013GENE-2

<400> 129

aacttgccct gtgcctgtgt

20

<210> 130

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> 3'TAG013GENE-2

<400> 130

ggtcccttag actttgagca

20

<210> 131

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> 5'TAG014GENE-2

<400> 131

cttctgcgag ctgcatctca

20

<210> 132

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> 3'TAG014GENE-2

<400> 132

tgcagtgaca gctccgtct

19

<210> 133

<211> 20



<212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG015GENE-2

<400> 133  
 agaggaggtt tatgtgaaga

20

<210> 134  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG015GENE-2

<400> 134  
 actatctccc aaagaaggac t

21

<210> 135  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG016GENE-2

<400> 135  
 tgtcctcgtc tgcacccat

18

<210> 136  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG016GENE-2

<400> 136  
 atgtatttct ggacccact

19

<210> 137  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG017GENE-2

<400> 137  
 gtcaccttct gtgactatgc ct

22

<210> 138

<211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG017GENE-2

<400> 138  
 acaggtcagg cctccatata t

21

<210> 139  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG018GENE-2

<400> 139  
 cggctggaca cgtcgga

17

<210> 140  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG018GENE-2

<400> 140  
 ggcggaagtg gtggtact

18

<210> 141  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG019GENE-2

<400> 141  
 cacaacctcg actactaca

19

<210> 142  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG019GENE-2

<400> 142  
 gccctccttc agcagctt

18

<210> 143  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG022GENE-2

<400> 143  
 ttcacaaata caccagacgt gat

23

<210> 144  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG022GENE-2

<400> 144  
 gggcgctgct ccatggctct gct

23

<210> 145  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG025GENE-2

<400> 145  
 tgcctagaaa ggggtggct

19

<210> 146  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG025GENE-2

<400> 146  
 ttctcagtgc agacatgtgg ct

22

<210> 147  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG029GENE-2

<400> 147  
 caggcttctg atagtttgca act

23

<210> 148  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG029GENE-2

<400> 148  
 tatgctattc agagaaact 19

<210> 149  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG030GENE-2

<400> 149  
 tctaatacat gtagaagct 19

<210> 150  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG030GENE-2

<400> 150  
 agggcagagt cgacaaaaca gt 22

<210> 151  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG032GENE-2

<400> 151  
 tcttgagtgg gctagtgact 20

<210> 152  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG032GENE-2

<400> 152  
 agtctggcaa tggagcatga 20

<210> 153  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG036GENE-2

<400> 153  
 tgctatacct tgacttcat 19

<210> 154  
 <211> 18  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG036GENE-2

<400> 154  
 tccaagtgtgta ctgcttat 18

<210> 155  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 5'TAG036GENE-2.1

<400> 155  
 ctagtagtca gttgggagt 19

<210> 156  
 <211> 19  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> 3'TAG036GENE-2.1

<400> 156  
 agccagaaca gcctttact 19